



RE

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/762,021
Source: PCT09
Date Processed by STIC: 7/5/001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER: 09/762,021</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters , instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text .	
5 <input type="checkbox"/> Variable Length	Sequence(s) <input type="checkbox"/> contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <input type="checkbox"/> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped	
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input checked="" type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input type="checkbox"/> Use of <220>	Sequence(s) <input type="checkbox"/> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	

PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/762,021

DATE: 07/05/2001
TIME: 15:50:32

Input Set : A:\Dex-0039.app
Output Set: N:\CRF3\07032001\I762021.raw

W--> 2 <130> FILE REFERENCE: DEX-0039
 W--> 0 <110> APPLICANT: DEX-0039
 W--> 0 <120> TITLE INVENTION:
 C--> 4 <140> CURRENT APPLICATION NUMBER: US/09/762,021
 C--> 5 <141> CURRENT FILING DATE: 2001-06-11
 7 <150> PRIOR APPLICATION NUMBER: 60/095,231
 8 <151> PRIOR FILING DATE: 1998-08-04
 10 <160> NUMBER OF SEQ ID NOS: 3
 12 <170> SOFTWARE: PatentIn Ver. 2.0
 14 <210> SEQ ID NO: 1
 15 <211> LENGTH: 1710
 16 <212> TYPE: DNA
 17 <213> ORGANISM: Homo sapiens
 19 <220> FEATURE:
 20 <221> NAME/KEY: unsure
 21 <222> LOCATION: (1704)
 23 <400> SEQUENCE: 1
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 25 tcgacttggc ggccttcgc caggccagga cagatggagg gggcctgcta tggaaaggcc 120
 26 gctccctatg gaggcggcac gctatctggc gcccgggatc cttccagaac agccccacca 180
 27 gaggacccta gaggcagcc tccaccatc cccaggccc ctgccacgccc acaccagtgc 240
 28 ccgagaacca agtgcctta ctgcctcc tccaaggccg tcctcttccc ccgaggaccc 300
 29 agagagggac gaggaaatgc tgaaccatgt cctaaggac attgagctgt tcattggaaa 360
 30 gctggagaag gcccagccaa agaccagcag gaagaagaaa ttggggaaaaaaaacaagga 420
 31 ccaggggaggt ctcaccaggc cacagtacat tgactgttc cagaagatca agtacagctt 480
 32 caacccctcg ggaaggctgg ccacccctggc gaaggagaca agtgcctcc agctcgtaca 540
 33 catcccttc aagtccctga acttcatccct ggcaggctgc cctgaggctgc gcctagcagc 600
 34 ccaagtgtac tcaccctcc tcaccctaa agctatcaac ctgtctacagt cctgtctaaag 660
 35 cccacccctgag agtaaccctt ggatgggtt gggcccgcc tggaccacta gcccggccg 720
 36 ctggacaggc gatgagccccc tgccctacca acccaccatc tcagatgact ggcaacttcc 780
 37 agagccctcc agccaagcac ctttaggata ccaggaccct ttggggatcc ggcggggaaag 840
 38 tcatacgatggta gggagcacct cacacttcc tcaggagaag acacacaacc atgaccctca 900
 39 gcctggggac cccaaactcca gcccctccag ccccaaacct gcccagccag ccctgaaaat 960
 40 gcaagtcttg tacgagttt aagcttaggaa cccacggaa ctgactgtgg tccagggaga 1020
 41 gaagctggag gttctggacc acagcaagcg gtgggtggctg gtgaagaatg aggcgggacg 1080
 42 gagccggctac attccaaagca acatccctggc gcccctacag ccggggaccc ctggggaccc 1140
 43 gggccagtc a cccctccggg ttccaaatgtc tcgacttagc tcgaggcctg aagaggtcac 1200
 44 agactggctg caggcagaga acttctccac tgccacggcaggacacttgg ggtccctgac 1260
 45 ggggagccag ctacttcgca taagacctgg ggagctacag atgctatgtc cacaggaggc 1320
 46 cccacgaatc ctgtcccgcc tggaggctgt cagaaggatg ctggggatataa gccccttaggc 1380
 47 accagcttag acacccctccaa gaaccaggcc cccgtatgc aagatggcag atctgatacc 1440
 48 cattagagcc cccgagaattc ctcttctggc tcccagttt cagccaaaccc cacacccccc 1500
 49 ctcacacagc aaaaacaatg gacaggccca gaggctgaag caaacatgt cccttctggc 1560
 50 tgtgttggag cctcccttccat aaccacccat ttatccatcc tctttccaa acctggagca 1620
 51 tttatgccta ggcttgccaa gaatctgttc agtccctctc cttctcaata aaagcatctt 1680
 W--> 52 caagcttgta aaaaaaaaaaa taangataaaa 1710
 54 <210> SEQ ID NO: 2

Does Not Comply
Corrected
Note Needed

See Item #9 in EORR Summary
JHEET

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/762,021

DATE: 07/05/2001
TIME: 15:50:32

Input Set : A:\Dex-0039.app
Output Set: N:\CRF3\07032001\I762021.raw

55 <211> LENGTH: 1109
56 <212> TYPE: DNA
57 <213> ORGANISM: Homo sapiens
59 <400> SEQUENCE: 2
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62 ccgcaataaaa actttgcag tggaaagtac ctatgtaaac gcctaaagat gccacttctt 180
63 ctcatgtccc aggcttgagg ccctgtggtc cccatccctg ggagaagtca gctccagcac 240
64 catgaagggc atcctcggtt ctggtatcac tgcagtgcgtt gttcagctg tagaatctct 300
65 gagctgcgtg cagttaatt catggaaaaa atcctgtgtc aacagcatgt cctctgaatg 360
66 tccctcacat gccaacacca gctgtatcac ctccctcagcc agctcctctc tagagacacc 420
67 agtcagatta taccagaata tttctgtc agcggagaac tgcagtgcgtt agacacacat 480
68 tacagccttc actgtccacg tttctgtgtc agaacaacttt cattttgtaa gccagtgcgt 540
69 ccaagggaaag gaatgcagca acaccagcga tggccctggac cttccctgtc agaacgtgtc 600
70 cagcaacgcg gaggccctg ctgttatga atctaatttgc acttcctgtc gtggaaagcc 660
71 ctggaaatgc tatgaagaag aacagtgtgt ctgttatgtt gcagaactt agaatgacat 720
72 ttagtctaag agtctcggtc tggaaaggctt ttccaaacgtc agtaacgcgc cctgtcagtt 780
73 cctgtctgggt gaaaacaaga ctcttggagg agtcatctt cggaaatgtt agtgcgtcaaa 840
74 tgtaaacagc ttaaccccca cgtctgcacc aaccacttcc cacaacgtgg gctccaaagc 900
75 ttccctctac ctcttggccc ttggcagcct ctttcttcgg ggactgctgc cctggaggcc 960
76 tggggctgca ctttgcacg cacccttattt ctgtttcttctt gagggtccaga gcacccctg 1020
77 cgggtctgac acccttttc cctgtctgc cccgtttaac tgcccagtaa gtggagtc 1080
78 cagggtctcca ggcaatgcgc acagctgc 1109
80 <210> SEQ ID NO: 3
81 <211> LENGTH: 1141
82 <212> TYPE: DNA
83 <213> ORGANISM: Homo sapiens
85 <400> SEQUENCE: 3
86 cagagaaaaga ggaacacatag aggtgcacaa ggaacaaaga cataatgtat tcataccaa 60
87 caacaagcca tgctgaagta aatgaaacca taccaccc ttacccacca agcagcttta 120
88 tggctccctgg atttcaacag cctctgggtt caatcaactt agaaaaccaa gctcagggtg 180
89 ctcagcgtgc tcagccctat ggcatcacat ctccggaaat ctgtctgtc agtcaaccgg 240
90 gtcaaggaaa tatacaatgc ataaatccaa gtgtggaaac agcagtaatg aactttaaag 300
91 aagaagcaaa ggcacttaggg gtatccaga tcatgttgg attgtatgcac attggtttt 360
92 gaattttttt gtgtttaata tccttctttt ttagagaagt attagggtttt gcctctactg 420
93 ctgttattgg tggataacca ttctgggtt gccttctttt tattatctt ggctctctt 480
94 ctgtgtcagc atccaaaggag ctcccttgcgtt gtctgtgaa aggccgcgtt ggaatgaaca 540
95 ttgttagttc tatcttggcc ttcatgtggag tgattctgtc gctgggttgc atgtgcata 600
96 atggggtagc tggccaaagac tactggccgc tgcttctgg aaaaggcatt tcagccacgc 660
97 tgatgtatctt ctcccttgcgtt gagttcttgc tagctgtgc cacagcccat ttggccaaacc 720
98 aagcaaaacac cacaaccaat atgtctgtcc tggttattcc aaatatgtat gaaagcaacc 780
99 ctgtgacacc agcgtcttct tcagctcctc ccagatgcaaa caactactca gctaattggcc 840
100 ctaaatagta aaagaaaaag gggtatcagt ctaatctcat ggagaaaaac tactgtcaaa 900
101 aacttcttaa gaagatgtct ttattgtct acaatgattt ctatgttttta aaaactgtgt 960
102 ttgagattt ttttaggtt gggtcgataat gatggctgtt tctcccttca ctgtctctt 1020
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104 tgcaactctc ttaaagtttag aaatgtttctt gttcatatta cttttcctt aataaaatgt 1140
105 c 1141

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/762,021

DATE: 07/05/2001
TIME: 15:50:33

Input Set : A:\Dex-0039.app
Output Set: N:\CRF3\07032001\I762021.raw

L:2 M:283 W: Missing Blank Line separator, <130> field identifier
L:0 M:201 W: Mandatory field data missing, APPLICANT NAME
L:0 M:201 W: Mandatory field data missing, TITLE INVENTION
L:4 M:270 C: Current Application Number differs, Replaced Application Number
L:5 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:52 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

STATISTICS SUMMARY
PATENT APPLICATION: US/09/762,021

DATE: 07/05/2001
TIME: 15:50:33

Input Set : A:\Dex-0039.app
Output Set: N:\CRF3\07032001\I762021.raw

Application Serial Number: US/09/762,021

Alpha or Numeric: Numeric

Application Class:

Application File Date: 06-11-2001

Art Unit: PCT

Software Application: PatentIn 2.0

Total Number of Sequences: 3

Total Nucleotides: 3960

Total Amino Acids: 0

Number of Errors: 0

Number of Warnings: 5

Number of Corrections: 2

MESSAGE SUMMARY

201 W: 2 (Mandatory field data missing)
258 W: 1 (Mandatory Feature missing)
270 C: 1 (Current Application Number differs)
271 C: 1 (Current Filing Date differs)
283 W: 1 (Missing Blank Line separator)
341 W: 1 ((46) "n" or "Xaa" used)